

SUBSTITUTE ABSTRACT

A transmission system includes a transmitter with a signal encoder and a codebook entry selector. The signal encoder has an input for a signal to be encoded. The codebook entry selector selects a codebook entry for obtaining a synthetic signal giving a best approximation of a signal representative of the input signal. The codebook entry includes samples that can assume more than two values and is identified with a sequence of symbols. A receiver has a decoder with a codebook for deriving the codebook, where the codebook entries corresponding to sequences of symbols that differ in one particular symbol value also differ in one signal sample value.